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Keyboard Monitor Interface

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SENIOR DESIGN
TECHNICAL REPORT

for

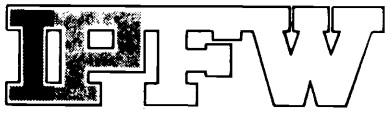
KEYBOARD MONITOR INTERFACE

title

in partial fulfillment of the requirements

for the degree of

BACHELOR OF SCIENCE



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ABSTRACT

This report contains details of methods used to interface an ASCII keybaord and a monitor to a simple Intel 8085 based system. Details of two methods are given and compaired. The first method used the Intel 8257 DMA (direct memory access) controler, the Intel 8279 keyboard controler, and the Intel 8275 CRT controler. This method was partialy unsuccessful. Details are given about the design problems that were encountered and how they changed the original design. In the second method employed the need for the DMA controler was eliminated, the 8279 was replaced with the Intel 8255, and memory mapping was used.